

Joyeux Noël



Three Y-12ers Retire Next Week To Wind Up 1962's List; Two Are Early Retirements

Product Processing's Karl E. Kahley Is 'Pardoned'; Utilities' Al J. Edwards And Luther Adams Retire

Retiring at the end of this month is Karl E. Kahley, who becomes the 16th retiree to leave Y-12 in 1962, and the 111th since Carbide began operations here in 1947. Also taking early retirements are Al John Edwards and Luther M. Adams, both in Utilities.



KARL E. KAHLEY

Karl Kahley, a process foreman in Product Processing, is a native of Snyder County, Pennsylvania. After serving in the United States Army during World War I, he finished college at Pennsylvania State College, College Park, Pennsylvania; received his BS in chemistry there in 1921. He was self-employed for a year or two in sales, then went with the McKeesport, Pennsylvania National Tube Co. Work around Pittsburgh kept him occupied until 1940 when he became self-employed again in the mining and manufacturing of coke.

Is Ardent Golfer

He came to Y-12 November 12, 1952. Married to the former Margaret Campbell, the Kahley's live at Route 3, Kingston. They also have a cottage on the lake. An ardent golfer, Kahley's entry was always there for most golfing tournaments. It is expected that he will continue to pit his skills against Y-12ers in the future. "We plan to stay a couple of months in Florida," Kahley said last week. "We own a lot on Cape Coral, near Ft. Myers. But we are going to rent a while to see if we like it there. We'll probably be right back in Tennessee by Spring."

Product Processing personnel gathered last week to honor Kahley with a "survival kit." The surprise box contained a lot of things like a pair of sun glasses, a Playboy calendar for 1963, a pass to the South Kingston Stockyards (since Kahley plays the stock market), and a set of toy golf clubs. Attached to the toy club was a long string of bills, with which Kahley will purchase the real McCoy's.

Presented Pardon

He was also presented a Full Pardon from badge number 54155, which read, in part, "hereby and herewith granted a full and complete pardon, and is enjoined to occupy fully his time henceforth with those pleasures of the man who need adhere only to his own whims."

Fellow workers Spence Wal-

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LUTHER M. ADAMS



AL J. EDWARDS



Y-12 OLD TIMERS REPRESENTING 151 years of service with Union Carbide line up five strong at the recent Old Timers Banquet. The dinner was held December 3, at the Holiday Inn, Oak Ridge. From left, are Dave W. Harrigan (Sept. 15, 1934); Dan H. Rader Jr. (January 5, 1930); S. Finley Creigh (April 7, 1930); H. Bert Davis (July 22, 1930); and Tennyson I. Sloan (August 31, 1936). Also attending were Roger F. Hibbs, Y-12 Plant Superintendent; and George W. Flack, Superintendent of Industrial Relations.

Old Timers Gather To Observe 1,145 Years With UCC As Five Y-12ers Belong To Exclusive Carbide Group

All five Y-12ers who are members of the Carbide Old Timers select group attended the banquet held December 3, at the Holiday Inn, Oak Ridge. The Carbide Old Timers are composed of Carbide employees who have 25 or more years of service with UCC. At present, there are 38 employees with a total of 1,145 years company service.

Dan H. Rader Jr., superintendent of Shift Superintendents and Utilities, is the "oldest" old-time Y-12er with more than 32 years with Carbide. He came with the Chemicals Company in South Charleston, January 5, 1930. Finley Creigh followed on April 7; Bert Davis hired in July 22; Dave Harrigan reported September 15, 1934; and Tennyson I. Sloan came with the National Carbon Company, Cleveland, Ohio, August 31, 1936. (Y-12's Martin Nygard retired November 1, 1962, with



H. G. MacPHERSON RECEIVES his 25-year watch (at right) from Clarence E. Larson, vice president of Union Carbide Nuclear Company, at left. MacPherson, who is head of the Reactor Division for Oak Ridge National Laboratory in Y-12, came with UCC February 1, 1937 at National Carbon Company, Cleveland, Ohio. Seated in center is Vice President Clark E. Center, another Old Timer. Center's "hire-in" date is July 10, 1927, at Whiting, Indiana.

more than 36 years company service.)

MacPherson Added

The only addition to this year's growing list was H. G. MacPherson, associate director, Oak Ridge National Laboratory. MacPherson, who heads the Reactor Division in Y-12, came with the National Carbon Company in Cleveland, Ohio, February 1, 1937. He came to Oak Ridge July 1, 1956.

Gus Foresman, an Old Timer who retired from Oak Ridge Gaseous Diffusion Plant in 1961 with 38 years company service was the oldest veteran present at the celebration.

Center Presides

Clark E. Center, vice president,

and a member of the Old Timers, was master of ceremonies, and Clarence E. Larson, vice president, presided over the presentation of the engraved watch to newcomer MacPherson.

Old Timers have worked at several other locations of Union Carbide Corporation prior to coming to Atomic Energy installations. Among them are National Carbon Company, Cleveland and Parma, Ohio; Union Carbide Metals Company, Duluth, Minnesota; and Union Carbide Chemicals Company, South Charleston, West Virginia; Institute, West Virginia; Leach, Kentucky; Louisville, Kentucky; Texas City, Texas; and Whiting, Indiana.



THE WHOLE GANG AT PRODUCT PROCESSING showed up for Karl E. Kahley's farewell testimonial recently in Building 9211. The group presented him with a "survival kit" filled with novelties and private jokes. A cash gift was also presented the retiring Kahley with which he can buy a set of golf clubs. "Golfers are particular about the kind of clubs they want, so we had rather you bought your own," Superintendent Reece explained.

The Bulletin

Published Weekly By And For
Y-12 Employees Of
UNION CARBIDE
NUCLEAR COMPANY
Division of



UNION CARBIDE CORPORATION

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Badge Exchange Set January 1

New badges will be issued Y-12ers during the holidays in the quarterly badge exchange program. The new means of identification, this time with blue bottoms, will be placed in the racks by 11 p.m., Tuesday, December 31. They will then be available to Y-12ers returning from the New Year's Holiday, January 2.

The badges will, as usual, be arranged in numerical order in the racks at each portal, and will remain there until 11 p.m., January 9. After that date, no yellow-bordered badges will be honored at the gate, and new ones will have to be picked up at the Badge and Pass Office, Building 9704-2.

The quarterly badge exchange, now in its third year in Y-12, allows the monitoring of the take-home badges of each employee for radiation exposure. It also would provide additional information in case of a nuclear incident.

Speas Named Local Club Secretary

The Oak Ridge Golf and Country Club has announced its new officers for the 1963 term. A Y-12er, Irvin G. Speas, Engineering Division, has been elected secretary of the club.



Irv Speas

Dr. J. D. Johnson was re-elected as club president; George Comer, H. K. Ferguson Company, was named vice president; and Ward Foster, Oak Ridge National Laboratory, was made treasurer.

The country club has announced major expansion plans, both in membership and facilities. More social life has been planned for the future.

Superintendent Roger Hibbs Extends Christmas Greetings To Y-12ers

It is a pleasure to extend Holiday Greetings to you and your family. The past year has been an important one for our nation. Our best efforts here can accomplish much for our country and the free world. The successes we have enjoyed during the past year at Y-12 have been the result of the individual effort of each person in the plant. Thank you for a job well done.

As we gather with our loved ones to celebrate the Christmas



For this corner it is the wish that every Y-12er enjoy the Peace of Christmas, and that the moments and days in 1963 will be bright and happy. The news has been exciting to do this year. Y-12ers are interesting people and telling about them is always a challenge. Besides interest, there is fellowship and good will among us . . . and this makes life easier and dark days somehow brighter.

Have Happy Holidays!

In and out the plant they're telling in . . .

MECHANICAL OPERATIONS

Machine Maintenance had R. A. Curtis on vacation last week, traveling to middle Tennessee to visit relatives and work out his bird dogs . . . J. E. Brady is on vacation this week and spends it loafing at home.



Daniel R. Kessell

The baby this week is little Daniel Richard Kessell, born November 13, at 6:06 a.m. in Oak Ridge. He weighed five pounds, 11 ounces, and had blonde hair and blue eyes. He is the son of D. R. Kessell, General Machine Shop.

Beta Four's Heavy Machine Shop advises that if there are any duck hunters that don't have a dog, just call Henry Hammack. He's better than any retriever you could train. On a recent hunt, Henry didn't lose a duck, but neither did his fellow hunters. He retrieved for all the party, swimming out after any fallen duck. He's a crack shot, too . . . got two rabbits, one pheasant, one duck and one fish, all on dry land. He also carries all the game for the entire party in his hunting jacket.

Welcome back to the shop to Labron Valentine who has been off sick for several weeks.

Ruth Young reports they did pretty well getting to work in spite of slick roads and snow . . . It didn't bother Jack Steward since he was on vacation and was moving into his new home just outside of Oak Ridge . . . L. P. Vines and N. B. Bloomer made it earlier than usual and J. L.

Gilliam managed to get in in spite of all the blocking done by what one man around here calls the "Detroit Iron." Richard Dew was taking two days vacation and missed all the fun . . . but Jo Walpool put chains on her little red wagon and came merrily along.

Bruce Dyer reports his children are all decorated for Christmas with chicken pox.

The H-2 Shop is bemoaning the loss of Ray Aytes, one of the most congenial people to have around, to F-Area office. But it's an ill wind that blows nobody good and in the swap H-2 is getting Bob Williams. Welcome to the Balcony Boys Group, Bob.

Harry Harris and his hunting party killed a bear during their recent hunting trip in West Virginia, and now Harry boasts that he is the best bear chef in Y-12!

H. L. Smith vacationed in Pennsylvania visiting the family. R. E. Lett and Paul Peterson did not reveal vacation plans . . . The welcome mat is out for W. L. Taylor . . . H-2 Shoppers are glad to have W. V. Kanipe back after a bout of illness.

The A-2 Shop said a sad adieu to T. A. Keith. He took Horace Greeley seriously and went west to Livermore, California to work . . . The sick and shut-ins include George Wylie, R. Black, J. E. French, and C. M. Rockholt.

Vacationers are D. A. Davis, J. R. Collins, W. F. Quimby, J. W. Van Bever, P. D. Letsinger, W. F. Stoddard and W. E. Green.

Also vacationing recently were J. D. Francis, W. Y. Norwood, D. F. Hancock and W. F. Stoddard all snowballing each other in local snow.

Sympathy to Carl Dorr whose mother, Mrs. L. L. Dorr, passed away in Birmingham, Alabama, recently.

The father of the week is Hubert Tripp whose little daughter Teresa Denis, was born December 2 at Oak Ridge Hospital, weighing six pounds, 12 and one-half ounces.

In F Area J. H. Billingsley is passing out cigars these days . . . the father of a baby boy. No more details as yet.

J. M. Nevils had a successful quail hunt on his vacation; killed 17.

Beta Four bade farewell to J. Ivey, J. E. Barnes and G. F. Campbell who transferred to Inspection and to H. M. Salyers, H. Y. Woodson, M. R. Eldrod, J. W. Dyer and C. C. Crouch who transferred to A-2.

Production Control has several Christmas and pre-Christmas vacationers with merry plans for the holiday season. These include Dick Dickerson, J. C. Turbyville, Jerry Houser, Guy Seaton, Patti Matlock, Mary Moore Lay, Carolyn Sharpe, Marcus Stringfellow, and C. W. McCollum.

The Ernie Kennedys are expecting a big Christmas with the daughter Joyce and her new baby coming in for the holidays. Ernie went over to Tellico recently on a hunting trip and came back empty-handed. (Join the party!)

Get well wishes to Gil Jamieson's wife who is in the hospital for tests and to Carolyn Sharpe's husband who had dental surgery.

Our deepest sympathy goes to Bill Stoddard whose father passed away in Detroit recently.

Milt and Ruth Carey have been making several trips to Atlanta



THE TRUE SPIRIT OF GIVING

A Perfect Gift

'Touch Hands, Touch Hands'

Gold, frankincense and myrrh were, of course, the first Christmas gifts, brought to the Babe in the Manger by the Wise Men from the East. Since the Child grew to manhood only to refuse such worldly riches, it is seemingly odd that the Scriptures would allude to the gifts the Magi brought.

Perhaps it was an 'outward sign of inner grace' after all . . . or the true gift the travelers from the East brought could very well have been love itself. Here was the cheapest, yet most valuable gift they could bestow.

This same gift lies within the possession of us all. This gift is the most needed in the world today. Ironically, it is the easiest one to give. Yet men withhold it as they would hoard gold. Edna St. Vincent Millay, the poetess, once said, "Even as I speak, men are dying for lack of love alone."

A kind word, a gesture, a smile, a helping hand given in love can be the most priceless gift you give. By giving this to your fellow man, you bring gold,

frankincense and myrrh to the Little Babe . . . for He himself said, "Inasmuch as ye have done it unto one of the least of these my brethren, ye have done it unto me."

William H. H. Murray said it well in a little poem almost 75 years ago.

"Ah, friends, dear friends, as years go on and heads get gray, how fast the guests do go!
Touch hands, touch hands, with those that stay.
Strong hands to weak, old hands to young, around the Christmas board, touch hands.
The false forget, the foe forgive, for every guest will go and every fire burn low and cabin empty stand.
Forget, forgive, for who may say that Christmas day may ever come to host or guest again.
Touch hands!"
Have you 'touched hands' lately?

Truthful Sister Tells Santa All

Ed and Don Lawhorn, the two older sons of Loren Lawhorn, Wage Standards, provided the Bulletin with its Christmas story for this year. The local radio station WATO has been broadcasting from a Santa Claus booth in the downtown section for the past few days.

The following conversations were heard between Santa and the Lawhorn offspring. "Hello, little girl, what's your name?" "Susan Lawhorn."

"Are you any kin to those two boys I just talked to?" (Ed and Don).

"Yes, they're my brothers, but they don't believe in you," was the innocent, child-like answer.

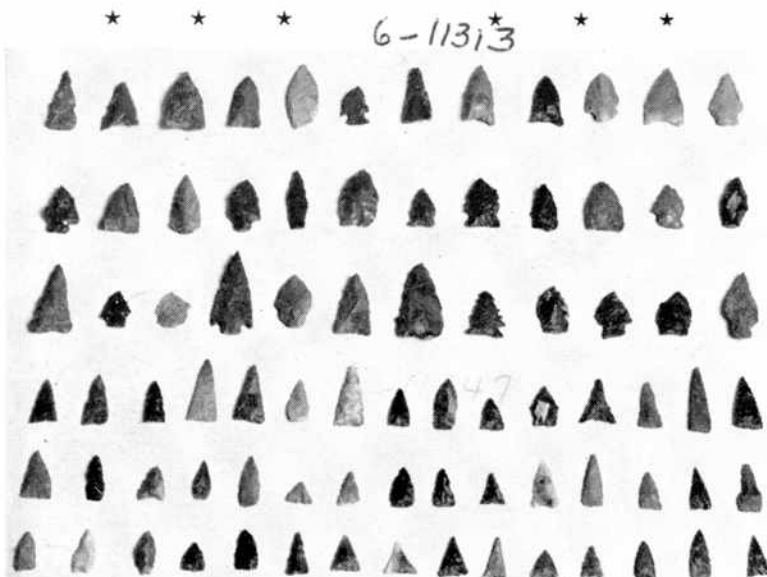
(Moral: There is nothing in life, absolutely nothing, that compares with a tattle-tale sister.)

Chemical Industry Is 18 Per Cent Female

Within the chemical industry, 18 of every 100 employees are women. This figure is below the number for industry as a whole, according to recent figures released by the chemical industries.

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'Tribes That Slumber' Stir To Give Up Ancient History To Y-12 'Digger'



'ALAS, POOR YORRICK, I KNEW HIM WELL.' The above are only a few of the artifacts and trinkets from the fabled Stokes' collection. Lloyd Stokes, Beta Four Operations, has made almost a life-time hobby from collecting historic pieces of the past in his laborious excavations.

Lenox Quartet Set For Ridge Concert

Lovers of chamber music will have an opportunity to hear the famed Lenox String Quartet, Friday, December 28, at the Oak Ridge Playhouse. The brilliant new quartet of American musicians has gained enthusiastic plaudits of critics and audiences from coast to coast. The concert begins at 8:15 p.m., and is under the auspices of the Oak Ridge Civic Music Association.

The Quartet was formed in Lenox, Massachusetts, where its members were on the faculty of the Berkshire Music Center, better known as "Tanglewood." They have been in residence at Princeton University, have made a highly successful European tour, and are now in residence at Grinnell College. During this concert season they have given six concerts at Town Hall, New York City, and four at the University of California. ORCMA is particularly pleased to be able to present the stellar musicians during this season to provide a unique change of pace in the holiday festivities.

The versatile musicians are

SAFETY SCOREBOARD

The Y-12 Plant Has
Operated
10 Days Or
280,000 Man-Hours
(Unofficial Estimate)
Without A Disabling
Injury
Through December 16
Phone 7755
For Daily Report
On Accident-Free Hours



A RARE RATTLESNAKE gorget graced the neck of some prehistoric Tennesseean. This beautifully preserved piece was found on Hiwassee Island, in the Tennessee River. The specimens in Lloyd Stokes' home museum reveal many traits and habits of early Tennessee dwellers. A gorget was worn about the neck.

Peter Marsh, violinist; Theodora Mantz, violinist; Paul Harsh, cellist; and Donald McCall, cellist. The program will include Haydn's "B Flat Major Quartet," Schoenberg's "String Trio," and Beethoven's "Quartet in C Major."

Advance reservations to the concert may be made by calling Mrs. M. E. Whatley, Oak Ridge 483-0297. Tickets will also be available at the box office prior to the concert.

Christmas Day Produced Founder Of Red Cross

Christmas Day, 1821, saw the birth of a small girl in Oxford, Massachusetts. She was destined to write her name in glory during the fratricidal Civil War ... then go on and found the American Red Cross. Her name was Clara Barton.

Lloyd E. Stokes Has Collection Of Indian Lore

It has often been said that history walks with a heavy tread throughout the valleys of East Tennessee. The lofty mountains, rushing streams have very often obliterated where "some buried Caesar bled," however, and the fact that early man in the valley did not write puts history further into obscurity.

Lloyd E. Stokes, Beta Four Operations, has made an interesting, informative hobby in gathering artifacts to establish the unwritten pages of early history from this region. Since his childhood when his father and brother hunted and fished in this region, gathering flintstones and arrowheads, his hobby has multiplied into a mountainous display of clay pipes, shell ornaments, and weapons of war.

In the "Tribes That Slumber" study that Thomas M. N. Lewis and Madeline Kneberg brought out that it was approximately 15,000 years ago that nomadic wanderers first gazed on what is now the green valley of the Tennessee River. These hunters had no implements, however, and little is known as to their manners and ways of life. Their descendants left cultural aspects that modern man can sift and glean through, putting together a primitive way of life. The monumental study was 25 years in the writing, and was published in 1958. Amateur archaeologists and professionals as well consider it a respectable guide-line as far as "Indian ages" are concerned.

Woodland Age Indians

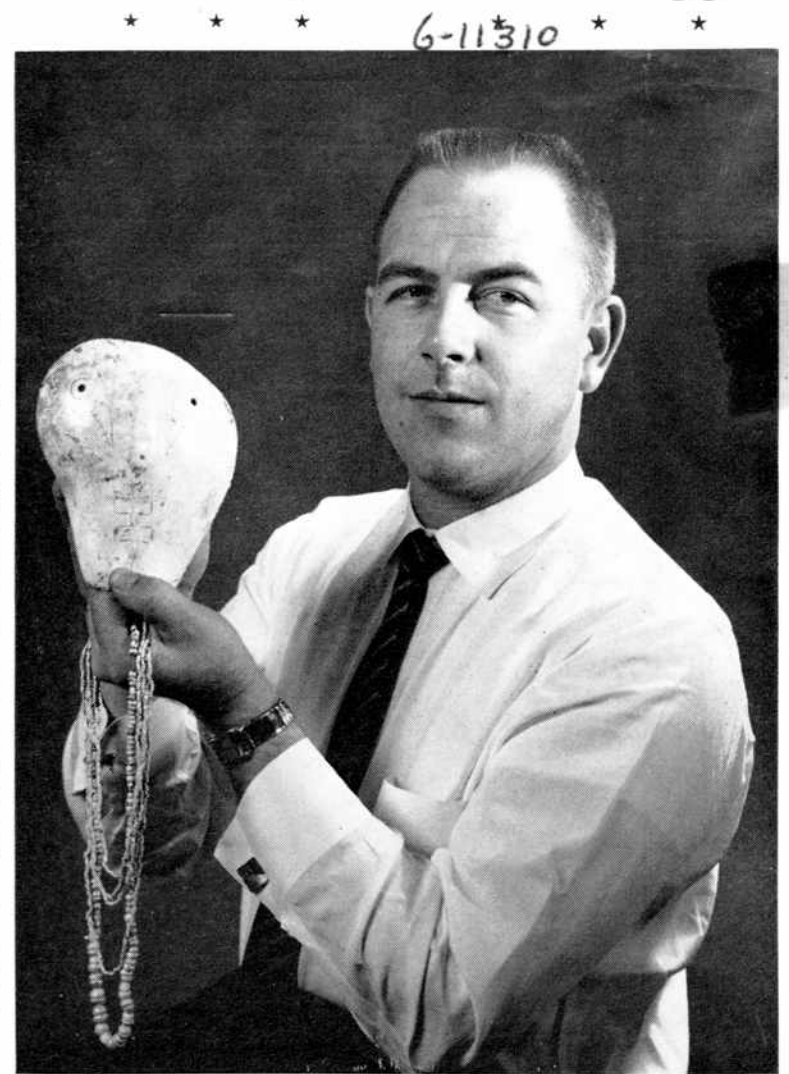
Stokes finds most of his historic relics in the age known as Mississippian Indian time. The Woodland age, which includes Indians from the last 1,000 years including the present-day descendants, the Creeks and the Cherokees, has produced some interesting additions to the Stokes collection.

Death-masks, gorgets, beads, club-heads, arrowpoints, knives, pipes and ear-plugs make up most of the interesting exhibit. A skull recently uncovered on an island in the Tennessee River caused a furor of interest in the Stokes family. Through the University of Tennessee the skull was submitted to the Smithsonian Institute for study. A small hole in the temple made this find unusual. The report back from the Smithsonian stated that the wound was not of a penetrating nature ... that is, it was larger outside than inside the skull. It is possible that the find is an example of prehistoric surgery. It is believed that early man often drilled holes into fellow beings' heads to relieve them of pain. It probably relieved the pain all right, but the patient more than likely died. The skull was determined to belong to a male, about 65 years of age, which is unusual for the Woodland Indian. Many never reached that age due to the many perils that faced these early Tennesseeans.

Family All Active

The Stokes men all are active in the archaeological studies. The father, Vernon E. Stokes, Oak Ridge Gaseous Diffusion Plant, another son Jack, who is football coach at Huntsville High School, and Lloyd frequently take trips together to dig among the antiquities of Tennessee history. Since coming to this area from Illinois, they have gradually increased their activities in this field. Their collection would go a long way in furnishing a complete museum.

Lloyd relates that there is as much research and writing and



A DEATH MASK CARRIED TO THE GRAVE by some ancient Woodland Indian is among the prized collections in Lloyd Stokes' museum pieces. Charcoal etching can be easily seen on the mask. He also holds beads unearthed in burials found through the East Tennessee section.

cataloging as there is time spent in digging. The excavating is tedious and slow. Often a toothbrush is used to examine or clean a specimen. No indiscriminate digging ever, he also states, since a careless stroke of a spade can often destroy the tissue-paper-like relics. Their findings are frequently reported in the Tennessee Archaeologist, a quarterly published by the Tennessee Archaeological Society.

Edgemoor Diggings

Archaeologists were handed a treasure last summer and the year before in the form of a corn field across the Clinch River from Oak Ridge, known as the Edgemoor site. On land that is to be eventually covered by the Melton Hill Lake, a Woodland Indian village was unearthed. Almost 300 burials were found on the site. All ages, from babes in arms to ancient chieftains, were uncovered and studied. The Stokes men were digging and sifting there every chance they had. They prefer other excavations than burials, however.

When asked about the presence of a death-mask made from a conch shell this far inland, Stokes explained that the early Indians were great traders. They had their own versions of traveling salesmen who brought metals and sea shells into this region. Copper and other metal work have been found among the Tennessee inhabitants. Most of the early contact with white settlers was in the form of barter and trade. Fresh-water pearls obtained from the mussel provided the local dwellers with items of jewelry. Colored rocks, bones, animal teeth and the bartered shells gave the Indian vent for his artistic talents. Stokes warns that beads and trinkets must be treated immediately. They are cleaned, then treated with acetone and glue to give them their original hardness. Without such treatment they crumble as clay in the fingers. Many of his trinkets were found with remains of deer hair or hair from other animals still clinging to the artifacts. The sandy soil

along river banks makes a very good preservative for solid matter, he explained.

Buried With Belongings

The Woodland buried his dead in a fetal position. Belongings, often in the form of dogs, were interred with him. This is what makes burials important to the archaeologist. It is here that the death-mask is so often found intact.

An interesting item turned up by Stokes is a necklace made of triangular shapes of brass. And there is a copper pendant which is very fragile. It was on this copper pendant that deer hair was found still clinging to it. Crude needles are also included in the collection. It was with this instrument that the early Indian fashioned his clothing and neckwear.

Lloyd lives at 110 Niagara Lane, Oak Ridge, with his wife, the former Betty Ann Ralph. They have two small children. He attended Tennessee Polytechnic Institute, as well as the University of Tennessee.

The items in the fabulous Stokes collection each bear a minute mark. This allows a cataloging of each item, giving what it is, where it was found and other pertinent information needed.

The Stokes men recommend the hobby to others at the drop of a hat. Lloyd warns, however, that help should be obtained for the beginning amateur. "Not knowing what you are doing can ruin everything," he warns.

With active archaeologists like the Stokes men, the 'tribes that slumber' are slowly awakening, giving up their ancient and hidden secrets.

'He Knew How To Keep Christmas Well'—Dickens

Charles Dickens, in describing a person in his immortal Christmas Carol, said, "It was always said of him, that he knew how to keep Christmas well if any man alive possessed the knowledge.



TABLE-HOPPING AT the Big Mechanical Operations Division dance always provides a sea of smiling faces. The big affair was held early this year, Friday, November 30, at the Oak Terrace, Oak Ridge. The division, one of the biggest in the plant, always boasts the biggest

and nicest parties. Dave Blessing, popular Y-12er, provides the music for the twist, polka, fox-trot, waltz, rhumba, samba, rock 'n roll crowd. There was some "home-made" entertainment, too, as a quartet, complete with a Presley-type guitar, regaled the house with

parodies on popular tunes, notably "Big Bad John." (There's nothing like the popular, sentimental mood-type songs... take, "A'hab, the A-rab," for instance.) Music critics are demanding a return engagement of the quixotic quartet.



THE KUYKENDALLS (JOAN AND CHARLIE) get pinned at left by Virginia Boswell. The identification tags kept Mechanical Operations Division folks well aware of one another's names. The Christmas party was held Friday, November 30. At right, the sterling quartet of singers bear down on "Big Bad John," not exactly a Christmas carol. They are Bill Butterini, Phil Shipp, Jack Ewing and Dale Lewis.

UT Graduate School Sets Winter Quarter

Registration Begins On January 3, 1963

The University of Tennessee announces its Winter Quarter schedule for the Oak Ridge Resident Graduate Program. Registration begins at 6 p.m., Thursday, January 3, in the Oak Ridge Institute of Nuclear Studies Training Building, directly behind the Atomic Energy Commission Administration Building. Registrations will be taken until 8 p.m.

Classes begin Friday, January 4, and continue through Saturday, March 9. The following courses will be offered during the winter quarter.

Chemical Engineering 531. Thermodynamics.

Chemistry 417. Physical Chemistry.

Chemistry 542. Introduction to Molecular Spectroscopy.

Chemistry 572. Theoretical Inorganic Chemistry.

Mathematics 416. A Survey of Modern Algebra.

Mathematics 466. Introduction to Mathematical Statistics.

Mathematics 571. Mathematics of Physics and Modern Engineering.

Mathematics 592. Introduction to Topology.

Metallurgical Engineering 572. Imperfections in Crystals.

Physics 322. Mechanics.

Physics 372. Elementary Modern Physics.

Physics 452. Experimental Atomic Physics.

Physics 522. Principles of Modern Physics.

Physics 562. Mathematics in Physics and Engineering.

Physics 643k. An introduction to Relativistic Quantum Field Theory.

Chemical Engineering 531. Chemical Engineering Thermodynamics.

Chemistry 417. Intermediate Physical Chemistry.

Chemistry 542. Molecular Spectroscopy.

Chemistry 572. Theoretical Inorganic Chemistry.

Industrial Management 501-2-3. Master's Thesis.

Mathematics 416. Linear Algebra and Geometry.

Mathematics 466. Introduction to Mathematical Statistics.

Mathematics 471. Vector Analysis.

Mathematics 592. Elementary Topology.

Metallurgical Engineering 572. Advanced Physical Metallurgy.

Physics 322. Mechanics.

Physics 372. Introduction to Atomic and Nuclear Physics.

Physics 452. Atomic Physics Laboratory.

Physics 522. Advanced Modern Physics.

Physics 562. Mathematical Methods in Physics.

Physics 643k. Theory of Fields. The probable spring quarter

Y-12ers Celebrating 15, 10 Year Anniversaries

Congratulations to the following Y-12ers who will observe 15 and 10 year anniversaries with Carbide within the next few days.

15 YEARS

William G. Shaw, General Expediting and Auxiliary Services, December 22.

Fredric J. Bates, Buildings, Grounds and Maintenance Shops, December 24.

Harold E. Fry, Heavy Equipment Maintenance, December 29.

Lloyd N. Wakefield, Stores, December 30.

Archie L. Franklin, Research Services, December 31.

10 YEARS

Glynn W. Watson, Dispatching, December 20.

Arvil L. Skaggs, Electrical, December 20.

William J. Logsdon, Beta Four Heavy Machine Shop, December 20.

Clarence E. Jennings, Alloy Shop, December 23.

Kenneth A. McTeer, Area Five Maintenance, December 23.

Franklin Bates, A-2 Shop, December 23.

J. T. Taylor, Z Area Assembly, December 24.

Ivy L. Miller, Beta Four Heavy Machine Shop, December 24.

Herbert A. Pohto, Tool Engineering, December 29.

Emmett J. Walker, Dispatching, December 30.

Wayne J. Dawson, Research Services, December 30.

Edward D. Allen, A-2 Foundry, December 31.

Oden N. Copenhagen, Beta Two, December 31.

Elbert K. Cochran, Chemical, December 31.

James C. Parton, Beta Two, December 31.

Roy K. Holbert, Electrical, December 31.

Albert A. Stooksbury, Chemical, December 31.

Willard L. Seaver, Secondary Quality Control, January 1.

D Shift Has Turkey Shoot Tomorrow At 10

A pre-holiday turkey shoot is planned by D. Shiftmen tomorrow, December 20, at the Oak Ridge Sportsmen's Association, West End, Oak Ridge. Shooting starts promptly at 10 a.m.

There'll be free doughnuts and coffee and door prizes. All Y-12ers are cordially invited to participate in the marksmanship competition. What an easy way to get that Christmas bird (if you can shoot!)

courses are Chemical Engineering 532; Chemistry 543, 573; Mathematics 417, 455, 467, 593; Metallurgical Engineering 573; and Physics 373, 453, 523, 563, 643e.

Top Teams Keep Lead In Bush Set

Rusty 5's Crouch Rolls A 233 Game

The Rusty Five and the Reagents, as well as the Lucky Five, kept their top berths in the Bush League for Y-12 bowlers last week. All licking their opponents by the full count of four, the Rusty Five hijacked the Hi Balls, the Reagents rolled over the Rollniks and the Lucky Five fouled up the Rollmasters. The Dry Hides beat the Beavers for the only three-point win of the day. The Seven Sixties drew the bye of the week.

Harold Crouch, Rusty Five, clipped off the high single game of the competition by taking a 233 scratch, 258 handicap game. Roy Scates, Reagents posted a high scratch series of 538, while Tom Fox, Rusty Five took handicap series with 627.

The Rusty Five took singles with 929, 1089 scratch and handicap tallies. They also took scratch series highs with 2526. The Reagents had high handicap series of 3018.

League standings follow:

| Team | Won | Lost |
|---------------|-----|------|
| Rusty Five | 16 | 4 |
| Reagents | 12 | 4 |
| Lucky Five | 10 | 6 |
| Dry Hides | 12 | 8 |
| Seven Sixties | 8½ | 7½ |
| Beavers | 7 | 9 |
| Rollmasters | 8½ | 11½ |
| Hi Balls | 6 | 10 |
| Rollniks | 0 | 20 |

Fishing Rodeo For 1962 Ends December 31

Holiday fishermen are alerted that the Annual Fishing Contest will close on specimens caught at midnight, Tuesday, December 31.

The contest is open to all Carbide employees in the Y-12 Plant, and features categories of large-mouth bass, smallmouth bass, striped bass, walleyed pike, sauger pike, crappie, blue gill or bream, rough fish (cat, drum and carp) and rainbow trout.

Many entries are already in for the entire year, but there's always room for another winner. Some categories in recent times have gone wanting because of a failure to enter any species. Thus by default the prize is not awarded.

Entries must be received in the Recreation Office not later than 4 p.m., January 15, 1963. Judging will take place shortly after that date.

Entries must be entered in the employee's name, verified by a dock operator or other witness, and must be accompanied by a clear photograph of the fisherman with his catch.

Late winter fishermen (and there are many who say they'd rather fish then) are urged to file their entries promptly for the annual contest.

I'm a slow walker — but I never walk back.

—Abraham Lincoln

Tinnel Son In Yule Concert At Church

Lenoir City Lad Versatile Musician



Eddie Tinnel

The annual Christmas program given at the First Baptist Church, Lenoir City, featured a Y-12 son in several versatile performances. Eddie Tinnel, 10-year old son of Mr. and Mrs. Paul I. Tinnel (he's in Y-12's Chemical Engineering Development), played a prelude of carols on the piano, sang with the Junior Choir and played another instrumental number on his clarinet.

Eddie is the only grandson of Vena Summitt, Y-12's Cafeteria. His mother is also a former Y-12er.



DEVELOPMENT DIVISION decided to have Christmas early, early this year. They had a dinner-dance November 21, the eve of Thanksgiving. Buffet food (delicious) started the evening off, then dancing ensued. The pre-Thanksgiving, pre-Christmas whing-ding was held at the Oak Terrace ballroom. Dave Blessing and his orchestra played for this one. Nobody could understand why W. K. Whitson, superintendent of the division, had on a fireman's hat (but the Shadow knows!)

Social Security Tax To Increase

The first pay check Y-12ers receive in 1963 will see a change in social security deductions. The FICA (Federal Insurance Contributions Act) deduction changes from three and one-eighths per cent to a new rate of three and five-eighths per cent. The change is effective January 1, 1963.

The maximum amount that is taxable remains the same: \$4800.

Both employee and employer pay the same amount into the Social Security fund . . . that is, for every \$174 an employee puts into the schedule, Union Carbide is required to match it to the dollar. (\$174 doubled is \$348 per annum, or the maximum paid.)

The new rate of deductions at

three and five-eighths per cent will remain in effect until January 1, 1966 when it will be increased another one-half per cent. In 1968 it will be increased another one-half per cent to four and five-eighths per cent, according to the present law.

The Social Security Administration of the United States Department of Health, Education, and Welfare explains that these scheduled tax rates are designed to meet the future obligations of the program and keep it self-supporting.

Civilized State Of Affairs

Ah . . . civilization! A civilized state of affairs is a system where a man pays a quarter to park his car so he won't be fined a dollar while spending a dime for a nickel cup of coffee.

Monthly Personnel Will Receive Checks Early

The Payroll Department announces that monthly salaried personnel will receive their checks early this year due to the holidays. Instead of the usual 26th day of the month, checks will be available for picking up at the portals December 20. Personnel banking by mail will also have their checks mailed to their respective banks early.

Advantageously, this convenience provides an extra boost to Santa's helpers. (It also makes it a long time 'til payday in January!)

MORE EXPENSIVE, TOO

Gold is nearly 20 times heavier than water.

'Twas The Night Before, Dad...

'Twas the night before Christmas and all though the pad
Not a hep-cat was swinging, and that's nowhere, dad;
The stove was hung up in that stocking routine,
In hopes that the "Fat Man" would soon make the scene.

The kids had all had it so they hit their sacks,
And me and the bride had begun to relax,
When there started a rumble that came on real frantic
So I opened the window to figure the panic.

I saw a square short that was making fat tracks,
Bein' pulled by eight dogs who were wearing hat racks;
And a funny old geezer was flip'n his lid,
He told 'em to "Make it" and man, like, they did!

I couldn't help diggin' the scene on the roof
As I stood there just waiting for chubby to goof;
They stood by the chimney in bunches and clusters
'Til tubby slid down coming on like Gangbusters.

His threads were the squarest and I had to chuckle,
In front (not the back) was his Ivy League buckle;
His puckered-up mouth was, like, blowing flat E,
And his chin hid behind a real crazy goatee!

Like he was the squarest, the most absolute,
But face it, who cares when he left all that loot.
He laid the jazz on me and fled with a burst
Wailin' "Have a cool yule man and a frantic first!"

—Anonymous



Continued From Page 3



Rhonda, Eric and Norris

TECHNICAL

These attractive children are the bright spots around the **Fred Welfare** home, Tacora Hills. Fred is in Radiation Safety. They are Rhonda, age five; Eric, six months; and Norris, two.

Other news from Radiation Safety has **Lena Ruth Bailey** vacationing recently just staying at home . . . **G. R. Whitaker** is taking a Christmas vacation. He plans a trip to Mobile, Alabama, to visit his mother . . . **Loretta Johnson** is going to spend her vacation doing as little as possible.

T. J. Cagle will be spending the holidays at home in Gaffney, South Carolina, with his family. . . . **M. B. Edwards** will be vacationing, but his plans are unknown.

P. C. McRee is planning on spending his vacation at home. Get well wishes are extended to Paul's wife who is recovering from a recent fall . . . **B. F. Ruthenford** is just going to stay at home on his vacation.

Tourist: "Are we lost?" Indian guide: "We not lost. We here. Trail lost."

FINANCE AND MATERIALS

The Microreproduction and Engineering Services Department (who still takes the cake for the longest and hardest name to type) personnel had a Christmas party on December 18 at **J. B. Sykes'** new home in Kingston . . . **E. W. Cook** and family will be

enjoying the holidays in North Carolina . . . **Finley West** and wife will be busy as their daughter Margaret Ann is getting married on December 21. (The Bulletin is plugging for a picture!)

Frances Patton will be entertaining her brother Ronald, in Miami, Florida, during the holidays. He will be home from the Air Force in London, England . . . **Robert Mann** and family will be spending the holidays in South Carolina . . . **J. M. McMaster** and family is going to Jackson, Tennessee, and **Georgia Rader** is visiting her homefolk in Morris-town.

Plant Records reports **Emma Puckett** set to enjoy her sister's visit. She is Mrs. Roland Tillman from Murray, Kentucky . . . **Dot Park's** Christmas visitors will include her daughter, Mrs. Martha Wardly, and children from Memphis, and her sister, Mrs. Charles Talley, from Nashville.

The Mail Room has **J. E. Kimblin** at home next week in Harri-man.

Accounting and Budgets reports **Ellen Hughes** at home last week busy with pre-holiday activities.

Biologists say that a single oyster can produce 100,000,000 eggs a season. Imagine what a married oyster could do!

Post-election observations: there must be something in the glue of bumper stickers these days. Losers seem to come off quicker than winners.

Y-12 Atoms, Flyers Lead Basketballers

Y-12 Teams Sport Spotless Records

Basketball action was fast and furious last week in the Carbide League for Y-12 and Oak Ridge Gaseous Diffusion Plant teams.

The ORGDP Lab Demons edged by the Y-12 Misfits Monday night by the close score of 48 to 47. The Misfits saw Peters scoring 24, Babb and McGuire firing six each. Big boys on the Demons team were Woy with 21, and Cates with 13. The Misfits jumped to a 16 point lead at the halfway mark, but let the game catch up with them, only to lose it in an overtime period.

Two Y-12 teams clashed Monday as the Atoms trounced the Eagles 50 to 35. Jim George led the troops with 23 points, while John Pridgeon led the losing squad with 11. The first quarter was close but then the Atoms, led by George, dominated the floor for the final three quarters. **Flyers Win Again**

Y-12's Flyers downed the ORGDP All Stars Monday 49 to 38, keeping Frank Clark away from the basket. Carlos Brooks led the victors with 21, and Pugh had 12 while Jerry Davis had eight. Clark did fire 17 through the bucket for the losers. The Flyers hot quarters were the second and third, but sorter faltered in the final period. Their lead did take them through, however.

A Wednesday night make-up game saw the Y-12 Flyers reduce the Lab Demons by 55 to 38. The Flyers jumped to an early lead in the game, and were never in serious trouble. Pugh led the scoring for the winning combination with 19 points, Forrester had 16, and Brooks 11. For the losing Demons it was Woy and Cates with 13 each.

All Stars vs. Misfits

The Thursday night games led off with the ORGDP All Stars storming out on the floor to stomp the Misfits, from Y-12, 59 to 34. Terry Mothershed led the victors by scoring 16 points, and Frank Clark fired 15 through the basket. The Misfits feature Peters with 14, Tiller with eight. It looks as if the defensive team guarded Clark well enough, but then let Mothershed slip through their fingers.

Y-12's Atoms continued their unspotted record by downing the Lab Demons 39 to 29. Jim George led his Atoms again with 14 points, while Rose and Strike had eight. Harrison had 11 marks for the Demons. This was a close tilt all the way with scoring fairly well distributed between the two warring teams.

Two Y-12 teams clashed for the final game of the week as the Flyers came out strong in the early moments to win 63 to 43. The losing Eagles trailed in the first half 25 to 11, and never pulled even again, despite their 18 points in the third quarter. Bob Culton led the losers with 19 points, and Ralph Vaughan tallied 15. Carlos Brooks fired 21 for the winning Flyers, and Forrester captured 11.

League standings follow:

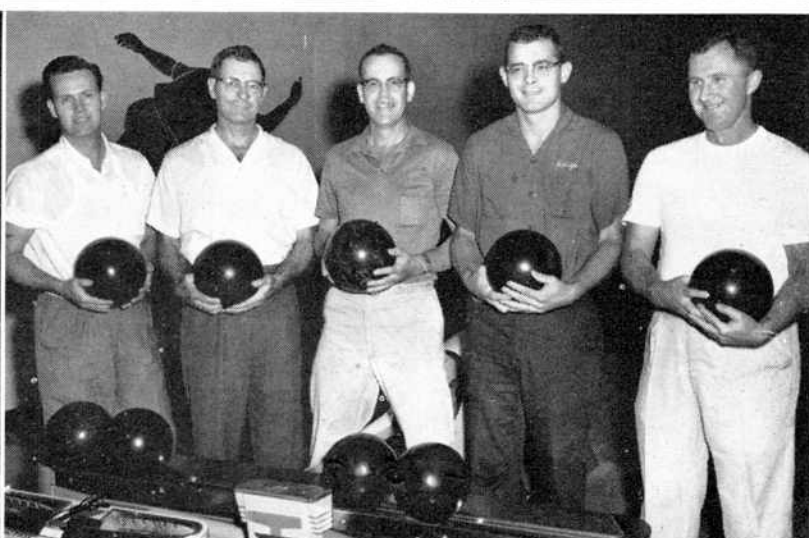
| Team | Won | Lost |
|--------------------|-----|------|
| Flyers | 4 | 0 |
| Atoms | 4 | 0 |
| All Stars (ORGDP) | 3 | 2 |
| Eagles | 2 | 3 |
| Lab Demons (ORGDP) | 1 | 4 |
| Misfits | 0 | 5 |

'Silent Night' Made Debut 144 Years Ago

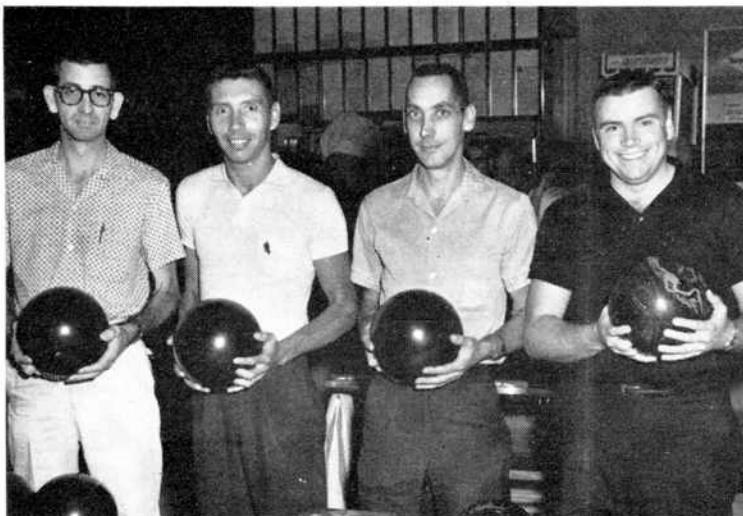
Franz Gruber's "Stille Nacht, Heilige Nacht" was first heard by the world on Christmas Day, 1818, in the tiny town of Oberonoff, Germany. Today, it rates as the world's favorite Christmas carol. "Silent Night" and other carols are sung the year round by many Oriental Christians.



THESE C LEAGUE TEAMS are always there in the running when it comes to knocking the pins over and winning points. The team at left is the Strikers, made up of Bill Grubb, J. Fincher, G. C. Pack, E. K. Beeler, and J. Delmonte. Capt. Carl



Frazier was not present for the photographing. At right are the Hi Lifers, comprised of A. E. Smith, Sam Campbell, Bill Tyree, George Reece and E. L. Crowley. The Strikers stand about mid-point in league standings at the present time.



MORE C LEAGUE teams show up for the bright camera. At left is the Ramblers, comprised of Capt. J. F. May, L. C. Hodgson, L. R. Edwards, Tom Overton and J. V. Haggard, the missing captain. At right is the team called the Sunflowers.



They are from left W. Goodwin, Capt. B. Stephens, Bob Hagood, J. W. Halsey, and C. Gaylor. The Ramblers have a 23 won, 33 lost record, while the Sunflowers maintain a close hold on first place . . . one point in front of the Rounders.

Mixed League Teams Win Or Lose By Four

Everybody in the Mixed League for Y-12 bowlers last week either won big or lost big. The four point wins saw the top two teams drop their teeth as the Pin Plasters and the Goofers both went down the drain. The Pin Plasters lost to the Ghosts as they walloped the boards with scores of 634, 792, 1810, and 2284. The Goofers dropped points to the Scappers. Other wins saw the Phantoms take the Alley Cats, and the Cool Cats top the Toppers.

The women bowlers featured Joyce Gillihan, Ghosts, taking high scratch single honors with 143. Athala Markland, Phantoms, took high single handicap with a 204. Ruby Lucas, Phantoms, took high scratch series with 390; while Nola Cherry, Scappers, took high handicap series with 582. James Markland, Cool Cats, took high singles with a 202 scratch game (tying with C. G. Gaylor, Pin Plasters); and a 228 handicap game. Charley Gillihan, Ghosts, took high series tops with a 564 scratch, 642 handicap total.

League standings follow:

| Team | Won | Lost |
|--------------|-----|------|
| Pin Plasters | 35 | 13 |
| Goofers | 29 | 19 |
| Cool Cats | 26 | 22 |
| Ghosts | 25 | 23 |
| Phantoms | 23 | 25 |
| Scappers | 23 | 25 |
| Alley Cats | 19 | 29 |
| Toppers | 12 | 36 |



Hair's Breath Race For Classic Alleys

Swingsters In First Slot By Half Point

The Markers are still barely one-half point away from first place in the Classic League for Y-12 bowlers. The Rebels and Sportsmen are only one point away, in the tight league race that could go any way for the first half. The Swingsters last week and the Markers split two points each, while the Rebels dropped three to the Sportsmen. The Rippers took three from the Rebels, as did the Has Beens over the Playboys, the Screwballs over the Bumpers, the Cubs over the Eightballs and the Wasps over the Tigers. The only four point win of the week saw the Smelters over the Wolves.

Tom Hillard, Markers, rolled high scratch of the night with 228, while John Reece, Has Beens, took high handicap game with 251. Arnold Tiller, Rebels, came through with high series scratch with 599, and John Harding, Smelters, had high handicap series with 647.

The Sportsmen took most team honors with a 985 scratch single score; 1081 handicap; and 2730 scratch series. The Markers took handicap series with 3035.

League standings follow:

| Team | Won | Lost |
|------------|-----|------|
| Swingsters | 36 | 20 |
| Markers | 35½ | 20½ |
| Rebels | 35 | 21 |
| Sportsmen | 35 | 21 |
| Rippers | 33½ | 22½ |
| Has Beens | 32 | 24 |
| Screwballs | 30 | 26 |
| Cubs | 28 | 28 |
| Bumpers | 27 | 29 |
| Wolves | 26 | 30 |
| All Stars | 26 | 30 |
| Smelters | 26 | 30 |
| Tigers | 24 | 32 |
| Playboys | 22 | 34 |
| Wasps | 21 | 35 |
| Eightballs | 11 | 45 |

Strengthen the USA by doing your security duty every day.

Squeaky Tight Race Develops For E Bowlers

Another tight bowling race is shaping up in the E League for Y-12ers. The Ten Pins still lead, barely one-half point ahead of the Foursquares, two and one-half in front of the Alleybees. The Ten Pins took the Cannonballs by three, as did the Foursquares over the Pintwisters. The Alleybees took the only four-point sweep over the Pinquins.

R. E. Gibson, Alleybees, had high single games with a 217 scratch, 255 handicap tally. Bruce Hogg, Ten Pins, took series honors with 599 scratch and 704 handicap totals. The Ten Pins swept the team board clean with a 649, 823, 1873, 2395 rally of scores.

League standings follow:

| Team | Won | Lost |
|-------------|-----|------|
| Ten Pins | 33 | 23 |
| Foursquares | 32½ | 23½ |
| Alleybees | 30½ | 25½ |
| Pintwisters | 25 | 31 |
| Pinquins | 23½ | 32½ |
| Cannonballs | 23½ | 32½ |

Turkey Shoot Reset For Sunday, Dec. 30 After Cold Weather

The big turkey shoot that E. F. G. H, and J men had planned for last Saturday, December 15, was postponed due to inclement weather (Baby, it was cold, outside!) The shoot is now set for 1 p.m., Sunday, December 30.

Competition centers around shotgun, rifle and pistol firing. Shotgun classes range in the 12, 16 and 20 gauge class. Ammunition for shotguns must be purchased on the grounds, but rifle and pistol ammo may be brought from home.

There is no range fee.

There will be refreshments on

Rounders In C League Inch Up

Big Five's Sise Rolls 229 Game

The race in the C League for Y-12 bowlers got even tighter last week. The Sunflowers lost three points to the Rounders; now stand only one point in the forefront. The Rounders edged up by downing the top-men, as did the Hi Lifers over the Sunflowers. The four point wins in the league saw the Strikers strike down the Big Five and the Hookers swamp the Screwballs. C Shift edged out three points from the Par Busters. The Lucky Strikes and Rodders split two points each.

B. Sise, Big Five, took high single game of the night with a 229 scratch tally. Kenny Pluhar, Hi Lifers, had high handicap singles with a 252. W. Goodwin, Sunflowers, had high series scratch of 567, while C. M. 'Shorty' Bryant, C Shift, had high handicap series of 656.

The Hi Lifers took single tops with 938 scratch, 1088 handicap highs. The Rounders had high series scratch-wise with 2633, while the Strikers struck a 3021 series handicap top.

League standings follow:

| Team | Won | Lost |
|---------------|-----|------|
| Sunflowers | 41 | 15 |
| Rounders | 40 | 16 |
| Hi Lifers | 37½ | 18½ |
| Lucky Strikes | 34½ | 21½ |
| Big Five | 32 | 24 |
| Strikers | 26½ | 29½ |
| C Shift | 26 | 30 |
| Ramblers | 23 | 33 |
| Hookers | 22½ | 33½ |
| Par Busters | 22 | 34 |
| SP's | 19 | 37 |
| Screwballs | 13 | 43 |

the grounds for hungry shooters. The limit of two turkeys per person is the same as the shoot planned for December 15.

All Y-12ers and members of their family will be welcomed at the December 30 shoot.

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6-11347



PRODUCT PROCESSING friends who bade farewell last week in an early retirement testimonial for Karl E. Kahley are, from left, Joe Barkman, John Reece, Joe Smyrl, Kahley and Spence Wallace. Kahley retires December 28, after more than 10 years service in Y-12.

Three Y-12ers Retire Next Week

Continued From Page 2

lace, Joe Barkman, Joe Smyrl, and John Reece, superintendent of Product Processing, all paid tribute to Kahley in their farewells to him.

"He never grumbled or complained," Reece said, "and this is a mighty fine thing to have to say about anyone."

Two men from Utilities are

taking early retirement at the end of this month, as Al John Edwards and Luther M. Adams leave Y-12.

Luther M. Adams

Luther Adams is a native of Cherokee County, North Carolina. Before coming to Y-12 June 18, 1947, he had worked with the Tennessee Valley Authority at Fontana, and at the Tennessee Copper Company, Copperhill, Tennessee. He worked as an operator in Y-12 during the 1945-47 period.

At the present time he and Mrs. Adams live at 131 Latimer Road, Oak Ridge, but plan to move to another home at Farners, Tennessee. Their son, Ray, owns a 163 acre farm there, and the retiring Adams purchased two acres there to build his own home. He says he hopes to loaf a lot, to do those "thousand and one jobs that he hasn't had time to do" all these years. He is an avid fisherman, and plans to wet a line sometimes. He also plans to garden, and take things easy.

The Adamses have another son, Wade Adams, employed at Oak Ridge National Laboratory. They also have five married daughters: Mrs. Blanche Morrow; Mrs. Aludean Derrick; Mrs. Alene Davis; Mrs. Lennie Stansbury; and Mrs. Madge Hopkins. Among

Oak Ridge Rites Held For Mr. Tate

The plant was saddened last week in the death of Harry J. Tate, scale mechanic in the Electrical Department. Mr. Tate died Sunday, December 8. He had been in Y-12 since April 28, 1947.



H. J. Tate

Mr. Tate is survived by his wife, Mrs. Frances Tate; three daughters, Mrs. T. D. Alois, Courtland, N. Y.; Mrs. J. C. Martin, Clinton; and Miss Phyllis Tate at home; a son, Harry E. Tate, with the United States Air Force, San Bernardino, California; a sister, Mrs. J. R. Madagon, Charlotte, North Carolina; and a brother, R. E. Tate, Roanoke, Virginia.

Funeral services were held at 2 p. m., Thursday, December 13, at the Martin Funeral Home with the Reverend Edward Galloway, minister of the First Baptist Church officiating. Burial followed in the Anderson Memorial Gardens.

Many co-workers acted as honorary attendants at the rites. Deepest sympathy is extended to Mr. Tate's surviving family.

these children also are 15 grandchildren. Mrs. Adams is the former Ethel Bryant, also from North Carolina.

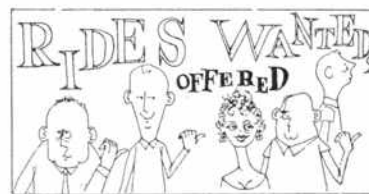
Al J. Edwards

Also taking an early retirement is Al John Edwards, Utilities. The retiring Edwards was born in Rockwood, Tennessee. He is married to the former Nellie Scott. His early life was spent on his father's farm and with the Southern Railway Company. In 1926 he worked in Pontiac, Michigan, with General Motors, but returned to farming in 1928. He worked on the farm again until 1930, when he went back with the Southern Railway Company in Rockwood. In 1941 he went with the Tennessee Products Corporation, Rockwood, and worked there until 1943 when he came to Oak Ridge. He worked as an operator here until 1946 then returned to farming again. This kept him occupied until May 13, 1952 when he returned to Y-12.

The Edwards have two sons, Al John Jr. and Chester H., and a daughter, Betty Ann Edwards. They live at Route 3, Rockwood. Edwards plans to take things easy in general, and return to farming.

Kahley and the two early retirees Adams and Edwards all have more than the necessary 10 years to qualify for benefits under the Union Carbide Pension Plan, and the retiring Adams is also enrolled in the voluntary Retirement Plan.

All three men take with them the best wishes of fellow workers in Y-12.



Two riders wanted from Pine Hills, Harriman, to West or Bear Creek Portals, straight day. R. W. Curtis, plant phone 7-8465, home phone Harriman 882-9291.

Car pool members wanted from West Hills section, Sheffield Drive, Knoxville, to East Portal, straight day. E. A. Pluhar, plant phone 7327, home phone Knoxville 588-5563.

Riders wanted from Beaver Ridge Road, Emory Road vicinity to East or Central Portal, straight day. C. B. Bridges, plant phone 7-8635, home phone Knoxville 588-6382.

Riders wanted from Clinton to

Early Settlers Forbade Yuletide Celebrations

Our early forefathers in Massachusetts, fleeing Europe, because of religious persecution, were not as tolerant in their own religious laws as they might have been. In 1659 a law was passed forbidding the observance of Christmas, either by feasting or the forbearing of labor. The law remained in force for over 20 years, and early American history records that numerous persons who refused to work on Christmas, either went to jail or paid fines.

any portal, G Shift. Hubert Cantrell, plant phone 7-8768, home phone Clinton 457-1705.

When driving at dark don't play like a lark.

6-11336



TOM DOUGLAS, SEATED, issues identifying name tags to Production Certification Division folks as they gather for their big Christmas party. Standing from left, are George Evans, Nelle Cannon, Geneva and Sam Gracey, Bob and Helen Stepp.

6-11340



'ONE OF THE NICEST PARTIES EVER' was the comment heard concerning the Production Certification party. Above the committee relaxes before the dinner starts. Seated from left are Daisy Ward, Ann Wenzler and Debra Hubbs. Standing are B. B. Hopkins, George Evans and Tom Douglas.

6-11338



THE POST OFFICE Department broke tradition this year by printing a special Christmas stamp. The green and red 'four-center' sold like 'hot-cakes' according to the local Post Office.

6-11337



PRODUCTION CERTIFICATION DIVISION'S party was held Saturday, December 8, at the Oak Terrace, Oak Ridge. The dinner-dance was a huge success, with a chicken dinner . . . and Dave Blessing's smooth

music afterwards. In fact, the party-goers extended the time a little, reluctant to go home. Breakfast plans sprung up all around the party with groups going here and there during the spitting snow. The above

tables represent just a part of the happy crowd, as the recent diners push back their plates to await the start of the music. Too bad Christmas just comes once a year!